

CORRECTED VERSION

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
27 December 2002 (27.12.2002)

PCT

(10) International Publication Number
WO 02/103256 A1

(51) International Patent Classification⁷: F24J 2/10, 2/14

(21) International Application Number: PCT/IT02/00360

(22) International Filing Date: 3 June 2002 (03.06.2002)

(25) Filing Language: Italian

(26) Publication Language: English

(30) Priority Data:
RM2001A000350 18 June 2001 (18.06.2001) IT

(71) Applicant (*for all designated States except US*):
ENEA-ENTE PER LE NUOVE TECNOLOGIE,
L'ENERGIA E L'AMBIENTE [IT/IT]; Lungotevere
Grande Ammiraglio Thaon di Revel, 76, I-00196 Roma
(IT).

(72) Inventors: and

(75) Inventors/Applicants (*for US only*): RUBBIA, Carlo
[IT/IT]; 9, chemin des Tulipiers, CH-1208 Genève (CH).
VIGNOLINI, Mauro [IT/IT]; Via Anguillarese, 301,
I-00060 Santa Maria di Galeria (IT). PRISCHICH,
Diego, Ettore [IT/IT]; Via Anguillarese, 301, I-00060
Santa Maria di Galeria (IT). MILIOZZI, Adio [IT/IT];
Via Anguillarese, 301, I-00060 Santa Maria di Galeria

(IT). GIANNUZZI, Giuseppe, Mauro [IT/IT]; Via
Anguillarese, 301, I-00060 Santa Maria di Galeria (IT).

(74) Agent: SARPI, Maurizio; Studio Ferrario, Via Collina,
36, I-00136 Roma (IT).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG,
SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ,
VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW).
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM).
European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR,
GB, GR, IE, IT, LU, MC, NL, PT, SE, TR). OAPI patent
(BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,
NE, SN, TD, TG).

Published:

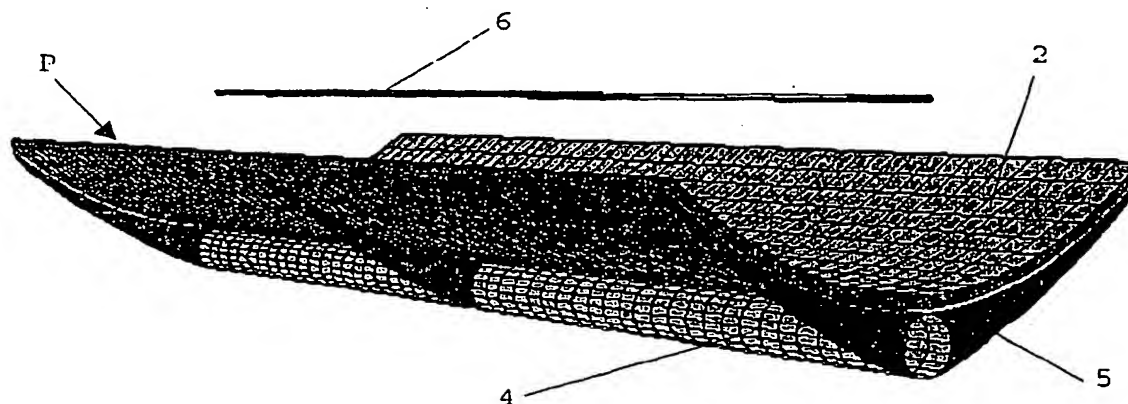
— with international search report

(48) Date of publication of this corrected version:

10 April 2003

[Continued on next page]

(54) Title: A PARABOLIC SOLAR CONCENTRATOR



(57) Abstract: Solar concentrated module with a bidimensional parabolic profile geometry, comprising one or more rigid self-supporting panels (P) having a parabolic cross section and a rectilinear longitudinal extension, said panels being comprised of a central sandwich structure including a central honeycomb core (1) and two thin outer skins (3) of a high resistance material, for obtaining light and particularly rigid panels. Said panels (P) are apt to support thin reflecting surface (2), the geometry of which being such as to concentrate the incident sunlight rays along a longitudinal receiving tube (6), within which a fluid to be heated flows. Automated motion means are provided for moving the panels so as to follow the movement of the sun during the day.

WO 02/103256 A1



(15) Information about Correction:

see PCT Gazette No. 15/2003 of 10 April 2003, Section II

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.